



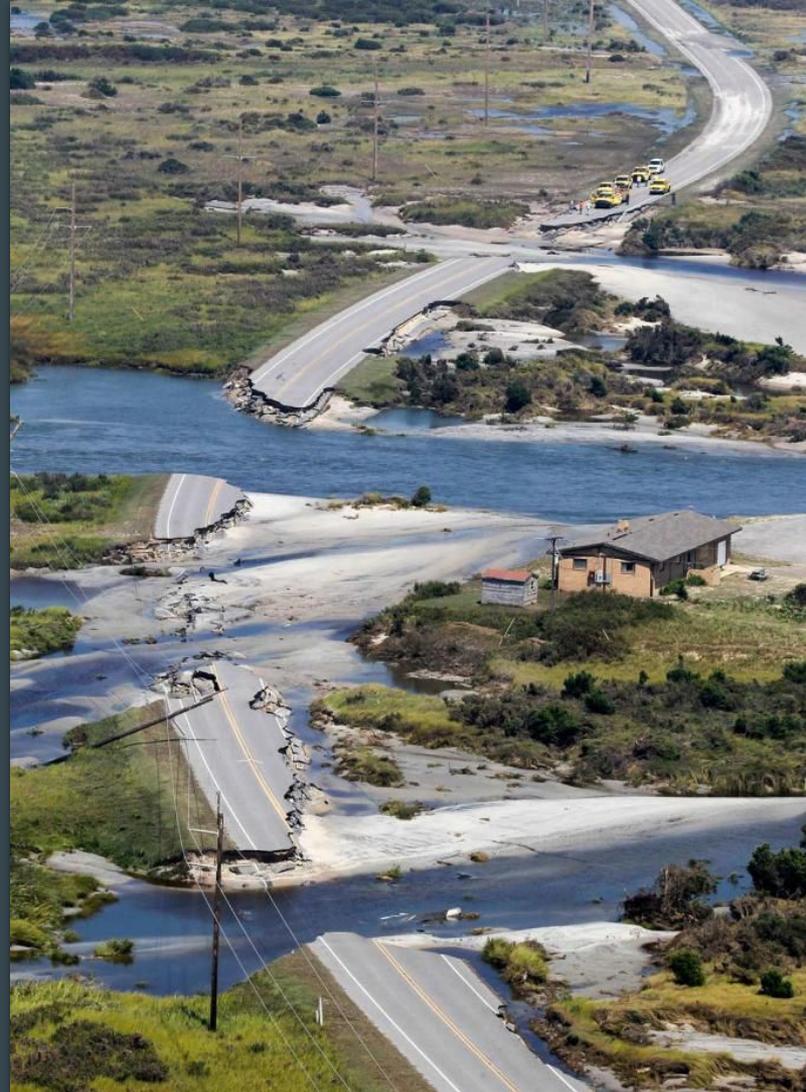
Hurricane Matthew Recovery: Reflections from North Carolina



Lea Sabbag
NC Emergency Management
Housing Manager, CDBG-DR

Presentation Roadmap

- ❖ Aftermath of Hurricane Matthew
- ❖ Sheltering and Housing Operations
 - NC's continuum of housing assistance
- ❖ Obstacles & Lessons Learned
- ❖ Questions



A photograph of a white wooden house with a gabled roof and a small window in the gable. The house has a porch with a dark awning and two windows on either side of the door. The house is surrounded by trees and is reflected in a body of water in the foreground. The scene is captured during the "blue hour" of sunset or sunrise, with a soft, golden light reflecting on the water.

Aftermath of Hurricane Matthew

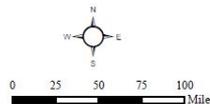
FEMA-4285-DR, North Carolina Disaster Declaration as of 12/23/2016



Data Layer/Map Description:
The types of assistance that have been designated for selected areas in the State of North Carolina.

All areas in the State of North Carolina are eligible to apply for assistance under the Hazard Mitigation Grant Program.

- Designated Counties**
- No Designation
 - Public Assistance
 - Individual Assistance and Public Assistance (Categories A - G)
 - Public Assistance (Categories A - G)



Data Sources:
FEMA, ESRI;
Initial Declaration: 10/10/2016
Disaster Federal Registry Notice:
Amendment #16 - 12/23/2016
Datum: North American 1983
Projection: Lambert Conformal Conic

MapID 3a6e15a5d211223161724qprod

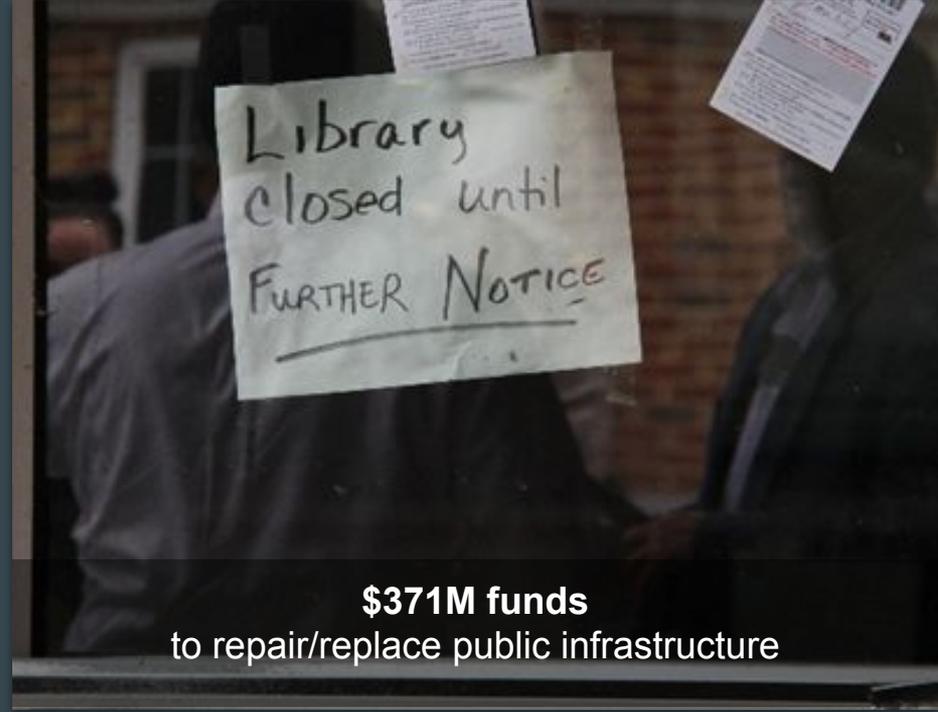
2016 Hurricane Matthew Declaration

Public Assistance
➤ 50 Counties

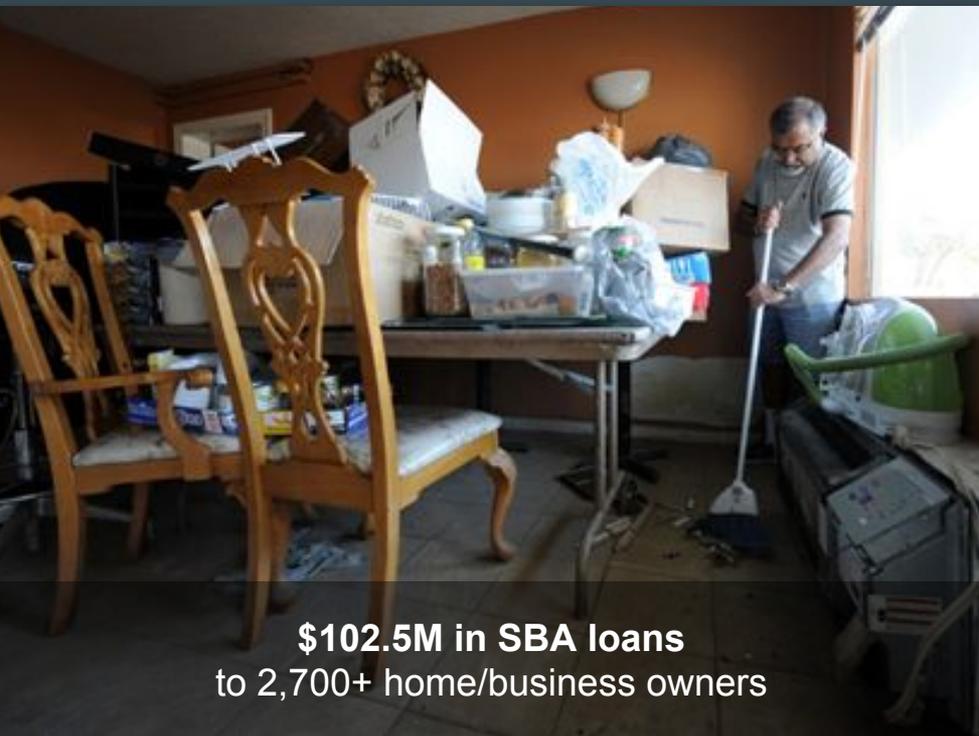
Individual Assistance
➤ 45 Counties



\$99M in FEMA IHP awards
to assist 29,000 households



\$371M funds
to repair/replace public infrastructure



\$102.5M in SBA loans
to 2,700+ home/business owners



\$158.8M in NFIP funds
to pay 5,800 claims

The Continuum of Housing Recovery Assistance



The Continuum of Housing Recovery Assistance

Initial Displacement	Transitional	Temporary	Permanent
Shelters Friends/Family Voluntary Agencies	TSA Rapid Repair programs Voluntary Agencies	MHUs IA Rental Assistance State programs Voluntary Agencies	Insurance SBA HMPG CDBG-DR IA Repair Assistance HUD vouchers Voluntary Agencies

Time



The Continuum of Housing Recovery Assistance

Initial Displacement	Transitional	Temporary	Permanent
Shelters Friends/Family Voluntary Agencies	TSA Rapid Repair programs Voluntary Agencies	MHUs IA Rental Assistance State programs Voluntary Agencies	Insurance SBA HMPG CDBG-DR IA Repair Assistance HUD vouchers Voluntary Agencies

Time





Initial Displacement

Shelter Operations

- 141 shelters opened in 35 counties
- 4,071 evacuees stayed in shelters
- Hindered capacity of Red Cross
 - DSS led shelter operations



Shelter Operations: Lessons Learned

Improved Training Requirements

- Red Cross training for DSS staff

Multi-Agency Shelter Transition Team

- Local/State agencies + volunteer groups
- Better customer service + speed to need



Transitional Housing



Transitional Sheltering Assistance (TSA)

- Lack of affordable housing
- More time needed to establish recovery plan
- TSA & NC Disaster Recovery Taskforces
 - Integrated assessment of family needs
 - Leverage available resources to address unmet needs



Temporary Housing



Direct Housing Mission

- Manufactured housing units (MHUs)
- Operational in 11 counties
- Currently licensed in: 65 units
- Total approved: 161 units





Direct Housing Mission: Delays in move-ins

- Limitations in placing units in Special Flood Hazard Areas
- Limited commercial park availability
- Challenges in meter installations & hookups
- Local moratoriums on mobile homes



Direct Housing Mission: Delays in move-outs

- Timelines for restoring public housing
- Resources available to voluntary agencies stretched thin across country
- Lack of affordable housing and getting units back online
 - Ex. VOADS just completed last home repair from Irene this year



Direct Housing Mission: Lessons Learned

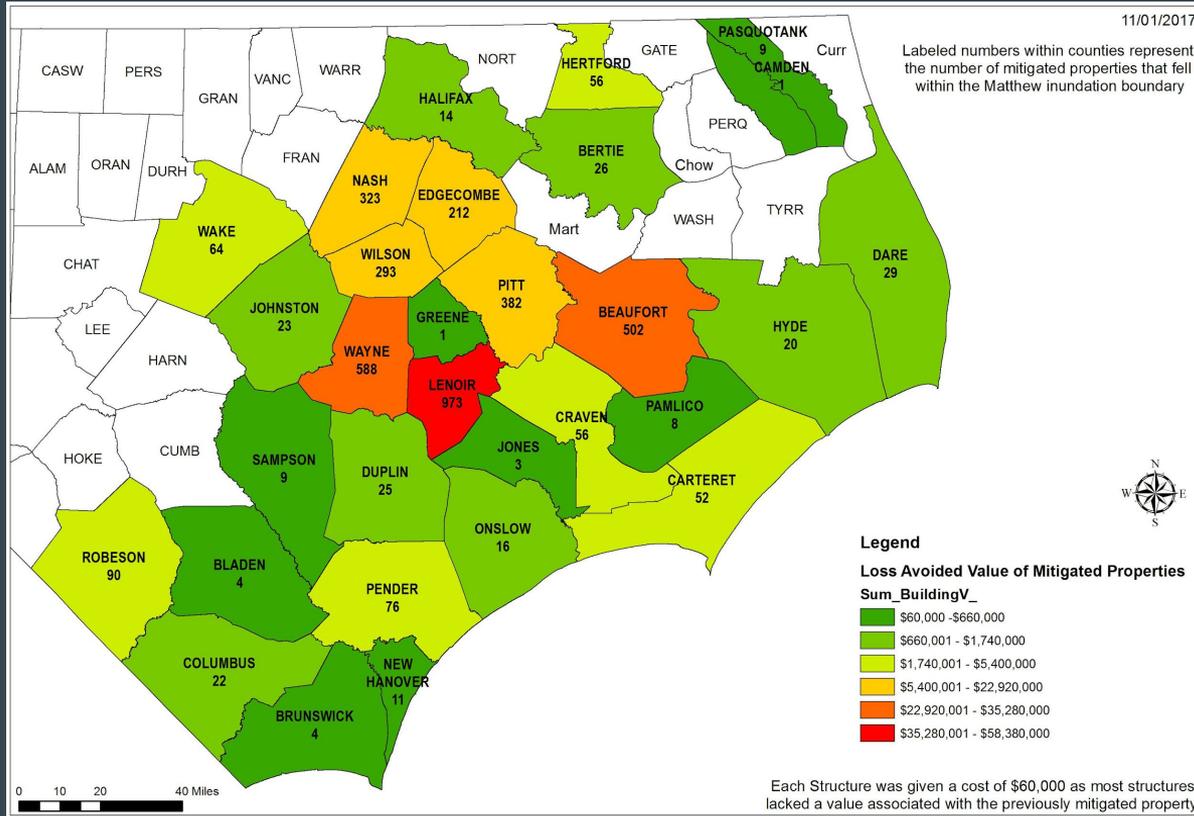
- Bring utility partners to the table early on
- State participation in monthly recertifications
- DSS & VOAD involvement in bridging gaps in assistance
- Are recreational vehicles worth exploring?





Permanent Housing

Hazard Mitigation Grant Program (HMGP)



Previously mitigated properties

~ 4,000

Losses Avoided in Hurricane Matthew 2016

~ \$118 million

Hazard Mitigation Grant Program (HMGP)

Irene (2011)

- 300 applicants, 18 months

Matthew (2016)

- 3,000 applicants, 12 months

Increased volume
by factor of 10





Hazard Mitigation: Best Management Practices

- Opened 18 Mitigation-DRCs
 - Teams walked applicaticants thru options & process
- NCEM wrote grants on behalf of local governments



Hazard Mitigation: Best Management Practices

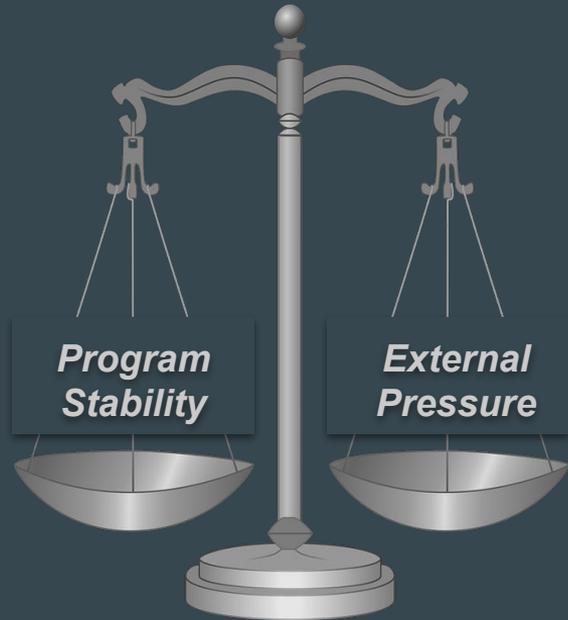
- Reduced flood losses?
- Strategic planning?



Things to consider

- Access/functional needs, loss of tax base, checkerboarding

Community Development Block Grant - Disaster Recovery



Lessons Learned

- Formalize policies & procedures ASAP
- Coordinate w/ recovery partners
 - IA, LTRGs, VOADs, CDCs
- Survivor stamina
- Only EMA implementing CDBG-DR



Thank You
Lea.Sabbag@ncdps.gov

ReBUILD NC